



PRESSURE TRANSDUCER - TR4 SERIES



Execution with M2 electric connection



Execution with M3 electric connection

Technical features:

Body: in tropicalized carbon steel

Assembly: in every position by using a 24 mm screw

Maximum dimension (L =width max, H =height max):

- M2 execution: L 38mm x H 81mm

- M3 execution: L 48mm x H 87mm

Hydraulic connection: 1/4" BSP male with incorporated ISO seal

Working temperature: from - 20°C to + 80°C

Non linearity + hysteresis: < 1% of the end of scale

Zero thermic drift: < 3% of the end of scale from 0°C to + 70°C

Weight: 0,1 Kg

Mechanical life: 2x10⁶ cycles at 20°C

Electric Features:

- Power supply standard executions:

4-20 mA signal 2 wires: from 12 to 28 Volt DC

4-10 Volt signal 3 wires: from 15 to 28 Volt DC

- Electric connection: according to DIN 43650

- Electric protection: according to DIN 40050: IP65

- Stacking temperature: from -35°C to + 110°C

- Input impedance: 100 Ohm

Electric connections:

- 4-20 mA execution 1=positive 2=signal

- 0-10 V execution 1=supply 2=out 3=GND

Warranty: see dedicated page

Spare parts: see dedicated page

Also available: - **TR4X** body in AISI 316L stainless steel

- **TD4** execution not amplified

- Realization of models 0-5V / 1-5V / 1-10V / 0-20mA for minimum lots of 50 pieces

- **TRW4** version for pressures lower than the atmospheric one with measure range from 1bar to -1bar:

4 - 20 mA: -1bar = 4mA 0bar = 12mA 1bar = 20mA

0 - 10 V: -1bar = 0 V 0bar = 5 V 1bar = 10 V

CE Ex II 3 G/D EEx eT6

HOW TO ORDER

TR4.

Type	Measurement pressure range	P max	Body Material	Type of realization	Type of electric connection
	Bar	Bar			
TR40.1	0 > 2	7.5	X AISI316L if omitted means zinc plated steel	2 means 4-20 mA 3 means 0-10 V	M2 connector 16x16 M3 connector 30x30 M12 connector 12X1
TR40	0 > 5	12			
TR41	0 > 10	25			
TR42	0 > 20	50			
TR43	0 > 50	120			
TR44	0 > 100	200			
TR45	0 > 200	400			
TR49	0 > 400	600			

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Technical Features:

- Body :** in anodized aluminium
- Fluid port connection:** in Aisi 316L Stainless Steel
- Assembly:** in every position
- Maximum dimension (L =width max, H =height max):**
L 74mm x H 81mm
- Hydraulic connection :** ¼" BSPF threaded port or fixed to Cetop panel without need of adaptors
- Working temperature:** from - 10°C to + 70°C
- Non-linearity + hysteresis :** < 1% of the end of scale
- Zero thermic drift :** < 2% of the end of scale from -10°C to +55 °C
- Weight :** 0,3 Kg
- Mechanical life:** 2x10⁶ cycles at 20°C
- Electric Features:**



TR5

- Power supply :
 - signal **4-20 mA** 2 wires : from 12 to 30 Volt DC
 - signal **4-20 mA** 4 wires : from 12 to 30 Volt AC/DC
 - signal **0-10 Volt** 3 wires : from 15 to 30 Volt DC
- Electric connection according to DIN 43650
- Electric protection according to DIN 40050: IP65
- Stocking temperature : from - 40° C to + 90° C
- Input impedance : 100 Ohm

Electric Connections :

- 4-20 mA 2 wires: 1= positive 2= signal
- 4-20 mA 4 wires: 1/T= supply 2/3= signal
- 0-10 V: 1= supply+ 2=signal + 3= supply-



Warranty: see dedicated page

Spare parts: see dedicated page

Also available : versions for pressures lower than the atmospheric one with measure range from 1bar to -1bar

- **TRW5** 4 - 20 mA: -1bar = 4mA 0bar = 12mA 1bar = 20mA
- **TRW5N** 4 - 20 mA: -1bar = 20mA 0bar = 4mA

ESEMPIO D'ORDINE

TR5.

Type	Measurement pressure range	P max	Type of execution
	bar	bar	
TRW5N	- 1 > 0	1	2 means 4 - 20 mA 2wires
TRW5	-1 > 1	2	
TR50.1	0 > 2	7.5	
TR50	0 > 5	12	
TR51	0 > 10	25	3 means 0 -10 V
TR52	0 > 20	50	
TR53	0 > 50	120	
TR54	0 > 100	250	
TR55	0 > 200	500	4 means 4 - 20 mA 4wires
TR59	0 > 400	600	
TR59.6	0 > 600	800	

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